

WEST Search History

DATE: Thursday, November 30, 2006

<u>Hide?</u>	<u>Set</u>	<u>Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB; PLUR=YES; OP=OR</i>				
<input type="checkbox"/>	L11	L10 and ruthenium or osmium		9968
<input type="checkbox"/>	L10	(golf club head or golf club shaft and polyolefin and metathesis or ring opened).clm.		155206
<input type="checkbox"/>	L9	L8 and carbene near4 catalyst		24
<input type="checkbox"/>	L8	(polyolefin and metathesis and ruthenium or osmium and silicone or siloxane or polysiloxane).clm.		5624
<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>				
<input type="checkbox"/>	L7	(526/171)![CCLS]		526
<input type="checkbox"/>	L6	(526/283)![CCLS]		601
<input type="checkbox"/>	L5	(524/731)![CCLS]		402
<input type="checkbox"/>	L4	(524/554)![CCLS]		141
<input type="checkbox"/>	L3	(473/282)![CCLS]		189
<input type="checkbox"/>	L2	(473/316)![CCLS]		242
<input type="checkbox"/>	L1	(473/349)![CCLS]		859

END OF SEARCH HISTORY

S/N 09/312,811

research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 15:00:01 ON 30 NOV 2006

```
=> set abbr on perm  
SET COMMAND COMPLETED
```

=> set plurals on perm
SET COMMAND COMPLETED

=> file caplus
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY 0.21	TOTAL SESSION 0.21
-----------------------------	--------------------------

FILE 'CAPLUS' ENTERED AT 15:00:39 ON 30 NOV 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 30 Nov 2006 VOL 145 ISS 23
FILE LAST UPDATED: 29 Nov 2006 (20061129/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> e giardello michael/au
E1 1 GIARDDINA D/AU
E2 1 GIARDELLO GIANLUCA/AU
E3 1 --> GIARDELLO MICHAEL/AU
E4 16 GIARDELLO MICHAEL A/AU
E5 1 GIARDELLO MICHAEL ALBERT/AU
E6 8 GIARDETTI G/AU
E7 3 GIARDETTI GELASIO/AU
E8 1 GIARDI ANNA/AU
E9 1 GIARDI C/AU
E10 1 GIARDI CECILIA/AU
E11 1 GIARDI I/AU
E12 2 GIARDI ITALO/AU

=> s e4
L1 16 "GIARDELLO MICHAEL A"/AU

=> d 11 1=16 ihib abs

I.1 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2006 ACS on STN

S/N 09/312,811

=> file uspatall caplus japiro
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	58.63	58.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-12.75	-12.75

FILE 'USPATFULL' ENTERED AT 15:07:11 ON 30 NOV 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 15:07:11 ON 30 NOV 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 15:07:11 ON 30 NOV 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'JAPIO' ENTERED AT 15:07:11 ON 30 NOV 2006
COPYRIGHT (C) 2006 Japanese Patent Office (JPO) - JAPIO

=> s (metathesis or metathetic? or ring(1w)open?) (4a) (olefin or cycloolefin or
dicyclopentadiene or dcpd)
L4 6670 (METATHESIS OR METATHETIC? OR RING(1W) OPEN?) (4A) (OLEFIN OR
CYCLOOLEFIN OR DICYCLOPENTADIENE OR DCPD)

=> s (tough? or hard? or impact?) (s) (silicone or siloxane or polysiloxane)
L5 47030 (TOUGH? OR HARD? OR IMPACT?) (S) (SILICONE OR SILOXANE OR POLYSILO
XANE)

=> s 14 and 15
L6 47 L4 AND L5

=> s 14 and (ruthenium or osmium) (s) (catalys? or catalyz?)
L7 1664 L4 AND (RUTHENIUM OR OSMIUM) (S) (CATALYS? OR CATALYZ?)

=> s 15 and 17
L8 21 L5 AND L7

=> d 18 1-21 ibib abs

L8 ANSWER 1 OF 21 USPATFULL on STN
ACCESSION NUMBER: 2006:195755 USPATFULL
TITLE: Method for treatment of film or sheet
INVENTOR(S): Reiba, Tsutomu, c/o JSR Corporation, 6-10, Tsukiji
5-chome, Chuo-ku, Tokyo, JAPAN 104-8410
Nakazawa, Kazuyoshi, Tokyo, JAPAN
Mori, Yoshihiro, Tokyo, JAPAN
Sawada, Katsutoshi, Tokyo, JAPAN
Oshima, Noboru, Tokyo, JAPAN
PATENT ASSIGNEE(S): JSR Corporation, Tokyo, JAPAN, 104-8410 (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006166511	A1	20060727
APPLICATION INFO.:	US 2004-549278	A1	20040225 (10)
	WO 2004-JP2211		20040225
			20050913 PCT 371 date

NUMBER	DATE
--------	------

S/N 09/312,811

fluorine-containing polymer, and uses of the fluorine-containing polymer. The fluorine-containing polymer has at least a repeated unit structure represented by the following formula (1) and has an absorption coefficient of not more than 3.0 μm^{-1} at 157 nm of ultraviolet rays. ##STR1##

wherein R¹ to R¹² are each fluorine, a fluorine-containing alkyl group of 1 to 20 carbon atoms, or the like; X¹ is --CR^aR^b--, --NR^a-- or --PR^a-- (R^a and R^b are each fluorine, a fluorine-containing alkyl group of 1 to 20 carbon atoms, hydrogen, --O--, --S--, an alkyl group of 1 to 20 carbon atoms, or the like); at least one of R¹ to R¹² and X¹ is fluorine or a fluorine-containing group; and n is 0 or an integer of 1 to 3.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 15:00:01 ON 30 NOV 2006)
SET ABBR ON PERM
SET PLURALS ON PERM

FILE 'CAPLUS' ENTERED AT 15:00:39 ON 30 NOV 2006
E GIARDELLO MICHAEL/AU

L1 16 S E4
L2 1 S E3
L3 1 S E5

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 15:07:11 ON 30 NOV 2006
L4 6670 S (METATHESIS OR METATHETIC? OR RING(1W)OPEN?) (4A) (OLEFIN OR CY
L5 47030 S (TOUGH? OR HARD? OR IMPACT?) (S) (SILICONE OR SILOXANE OR POLYS
L6 47 S L4 AND L5
L7 1664 S L4 AND (RUTHENIUM OR OSMIUM) (S) (CATALYS? OR CATALYZ?)
L8 21 S L5 AND L7

=> s 17 and golf(2a)club##
L9 9 L7 AND GOLF(2A) CLUB##

=> d 19 1-9 ibib abs

L9 ANSWER 1 OF 9 USPATFULL on STN
ACCESSION NUMBER: 2006:61317 USPATFULL
TITLE: Infusion of cyclic olefin resins into porous materials
INVENTOR(S): Cruce, Christopher J., Poway, CA, UNITED STATES
Filice, Gary W., Van Nuys, CA, UNITED STATES
Giardello, Michael A., Pasadena, CA, UNITED STATES
Stephen, Anthony R., South Pasadena, CA, UNITED STATES
Trimmer, Mark S., Monrovia, CA, UNITED STATES
PATENT ASSIGNEE(S): Materia Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006052487	A1	20060309
APPLICATION INFO.:	US 2005-260754	A1	20051026 (11)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-233066, filed on 30 Aug 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-316290P	20010830 (60)
DOCUMENT TYPE:	Utility	

S/N 09/312,811

using a ruthenium or osmium metal carbene catalyst, wherein the one or more density modulators are thermoplastic microspheres.

54. A method of modulating the density of a polycyclic olefin resin matrix comprising: (a) reacting a cyclic olefin with a ruthenium or osmium metal carbene catalyst to form a reaction mixture, wherein the catalyst is of the formula: ##STR6## wherein: M is ruthenium or osmium; X and X.sup.1 are either the same or different and are any anionic ligand; L and L.sup.1 are either the same or different and are any neutral electron donor; R and R.sup.1 are either the same or different and are each independently hydrogen or a substituent selected from the group consisting of C.sub.1-C.sub.20 alkyl, C.sub.2-C.sub.20 alkenyl, C.sub.2-C.sub.20 alkynyl, aryl, C.sub.1-C.sub.20 carboxylate, C.sub.1-C.sub.20 alkoxy, C.sub.2-C.sub.20 alkenyloxy, C.sub.2-C.sub.20 alkynyloxy, aryloxy, C.sub.2-C.sub.20 alkoxy carbonyl, C.sub.1-C.sub.20 alkylthio, C.sub.1-C.sub.20 alkylsulfonyl and C.sub.1-C.sub.20 alkylsulfinyl, wherein each of the substituents is unsubstituted or substituted with one or more substituted or unsubstituted moieties selected from the group consisting of C.sub.1-C.sub.20 alkyl, C.sub.1-C.sub.10 alkoxy, and aryl; and (b) adding a density modulator to the reaction mixture.

=> d his

(FILE 'HOME' ENTERED AT 15:00:01 ON 30 NOV 2006)
SET ABBR ON PERM
SET PLURALS ON PERM

FILE 'CAPLUS' ENTERED AT 15:00:39 ON 30 NOV 2006
E GIARDELLO MICHAEL/AU

L1 16 S E4
L2 1 S E3
L3 1 S E5

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 15:07:11 ON 30 NOV 2006
L4 6670 S (METATHESIS OR METATHETIC? OR RING(1W)OPEN?) (4A) (OLEFIN OR CY
L5 47030 S (TOUGH? OR HARD? OR IMPACT?) (S) (SILICONE OR SILOXANE OR POLYS
L6 47 S L4 AND L5
L7 1664 S L4 AND (RUTHENIUM OR OSMIUM) (S) (CATALYS? OR CATALYZ?)
L8 21 S L5 AND L7
L9 9 S L7 AND GOLF(2A) CLUB##

=> s 14 and golf(2a)club##
L10 11 L4 AND GOLF(2A) CLUB##

=> d 110 1-11 ibib abs

L10 ANSWER 1 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2006:61317 USPATFULL
TITLE: Infusion of cyclic olefin resins into porous materials
INVENTOR(S): Cruce, Christopher J., Poway, CA, UNITED STATES
Filice, Gary W., Van Nuys, CA, UNITED STATES
Giardello, Michael A., Pasadena, CA, UNITED STATES
Stephen, Anthony R., South Pasadena, CA, UNITED STATES
Trimmer, Mark S., Monrovia, CA, UNITED STATES
PATENT ASSIGNEE(S): Materia Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006052487	A1	20060309

S/N 09/312,811

hardness and/or toughness modulators (blended or as part of polymer). Poly(dicyclopentadiene) containing 3 parts poly(dimethylsiloxane) (Shin Etsu DMF-30) had notched Izod impact strength >4 ft.-lb/in. and heat distortion temperature >130°.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1992:635460 CAPLUS
DOCUMENT NUMBER: 117:235460
TITLE: Golf clubheads and their manufacture
INVENTOR(S): Miyama, Tadahiro; Sakai, Koji; Watanabe, Mitsuya; Yamada, Hikoichiro
PATENT ASSIGNEE(S): Mitsuno K. K., Japan; Teijin Hercules Co., Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04161176	A2	19920604	JP 1990-289947	19901025
PRIORITY APPLN. INFO.:			JP 1990-289947	19901025

AB Clubheads with good abrasion resistance and vibration damping properties are manufactured by pouring a metathesis polymerization catalyst and dicyclopentadiene-containing metathesis polymerizable monomers (which produce a crosslinked polymer) into a clubhead mold and hardening by reaction within the mold. Adding a mixture of 96.5:3.5 dicyclopentadiene (I) and ethylidene norbornene (II) to a 100 mL mixture of dioctylaluminum iodide 5.70, trioctylaluminum 31.17, diglyme 7.92, pyridine 3.95 g, and I (an amount to make 100 mL mixture) gave a reactive solution (A) containing 0.009M Al. Stirring WCl₆ 19.80, tert-BuOH 0.925, and nonylphenol 11.05 g in 100 mL PhMe, mixing with 10 g acetylacetone while purging with N₂ and adding 96.5:3.5 I and II mixture to the catalyst solution gave a reactive solution (B) containing 0.003M W. Pouring solution A and soln B through a dynamic mixer into a mold and hardening within the mold gave a clubhead with notched impact strength 70 kg-cm/cm, heat distortion temperature 116°, and flexural modulus 18,000 kg/cm², vs. 12-15, 80-90, and 15,000-18,000, resp., for a control prepared from conventional ABS resin.

=> d 110 11 all

L10 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1992:635460 CAPLUS
DN 117:235460
ED Entered STN: 13 Dec 1992
TI Golf clubheads and their manufacture
IN Miyama, Tadahiro; Sakai, Koji; Watanabe, Mitsuya; Yamada, Hikoichiro
PA Mitsuno K. K., Japan; Teijin Hercules Co., Ltd.
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM A63B053-04
 ICS C08J005-24
ICA C08G061-08
ICI C08L057-00
CC 38-3 (Plastics Fabrication and Uses)
FAN.CNT 1

S/N 09/312,811

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 04161176	A2	19920604	JP 1990-289947	19901025
PRAI JP 1990-289947		19901025		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 04161176	ICM	A63B053-04
	ICS	C08J005-24
	ICA	C08G061-08
	ICI	C08L057-00
	IPCI	A63B0053-04 [ICM,5]; C08J0005-24 [ICS,5]; C08G0061-08 [ICA,5]; C08G0061-00 [ICA,5,C*]; C08L0057-00 [ICI,5]

AB Clubheads with good abrasion resistance and vibration damping properties are manufactured by pouring a metathesis polymerization catalyst and dicyclopentadiene-containing metathesis polymerizable monomers (which produce a crosslinked polymer) into a clubhead mold and hardening by reaction within the mold. Adding a mixture of 96.5:3.5 dicyclopentadiene (I) and ethylidenenorbornene (II) to a 100 mL mixture of dioctylaluminum iodide 5.70, trioctylaluminum 31.17, diglyme 7.92, pyridine 3.95 g, and I (an amount to make 100 mL mixture) gave a reactive solution (A) containing 0.009M Al. Stirring WCl₆ 19.80, tert-BuOH 0.925, and nonylphenol 11.05 g in 100 mL PhMe, mixing with 10 g acetylacetone while purging with N₂ and adding 96.5:3.5 I and II mixture to the catalyst solution gave a reactive solution (B) containing 0.003M W. Pouring solution A and soln

B through a dynamic mixer into a mold and hardening within the mold gave a clubhead with notched impact strength 70 kg-cm/cm, heat distortion temperature 116°, and flexural modulus 18,000 kg/cm², vs. 12-15, 80-90, and 15,000-18,000, resp., for a control prepared from conventional ABS resin.

ST metathesis polymn golf clubhead manuf; dicyclopentadiene ethylidenenorbornene copolymer golf clubhead

IT Molding of plastics and rubbers
(of dicyclopentadiene-containing monomers, metathesis polymerization for, for golf clubheads)

IT Sporting goods
(golf club heads, manufacture of, vibration-damping and abrasion-resistant, by metathesis polymerization)

IT Polymerization
(metathetic, of dicyclopentadiene-containing monomers, for manufacture of golf clubheads)

IT 113277-76-2P, Dicyclopentadiene-ethylidenenorbornene copolymer

RL: PREP (Preparation)
(golf clubheads, manufacture of, by metathesis polymerization within molds)

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	175.35	234.19

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.25	-15.00

STN INTERNATIONAL LOGOFF AT 15:29:55 ON 30 NOV 2006